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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/811,508	
	Filing Date	March 26, 2004	
	First Named Inventor	Xing Cheng	
	Group Art Unit	1653	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission		Attorney Docket Number	26-003820US

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	PTO form 1449, cited references and receipt acknowledgment postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Authorization to Charge Deposit Account Please charge Deposit Account No. 50-0893 for any additional fees associated with this paper or during the pendency of this application, including any extensions of time for consideration of the documents enclosed.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jonathan Alan Quine, Reg. No. 41,261, Quine Intellectual Property Law Group, P.C.
Signature	
Date	December 9, 2004

CERTIFICATE OF MAILING


I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Juliana Hermes		
Signature		Date	December 9, 2004



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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By


Juliana Hermes

Attorney Docket No. 26-003820US
Client Ref. No. NS220US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Xing Cheng, et al.

Application No.: 10/811,508

Filed: March 26, 2004

For: COMPOSITIONS AND METHODS
INVOLVING RESPIRATORY
SYNCYTIAL VIRUS SUBGROUP B
STRAIN 9320

Confirmation No.

Examiner: Unassigned

Art Unit: 1653

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

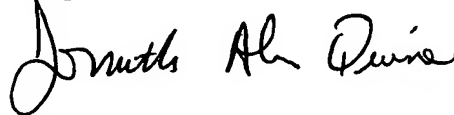
The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

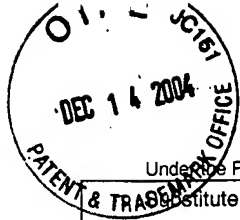
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action on the merits per 37 CFR 1.97(b)(3). However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jonathan Alan Quine". The signature is fluid and cursive, with the first name "Jonathan" being more prominent.

Jonathan Alan Quine, J.D., Ph.D., Reg. No. 41,261
For Monica Elrod-Erickson, Reg. No. 51,651

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Institute for form 1449A-B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/811,508
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First Named Inventor	Xing Cheng
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Attorney Docket Number	26-003820US
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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	6,225,091		Klein et al	05-01-2001	
	2	6,713,066		Collins et al	03-30-2004	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	3	WO	2002/44334		Aviron et al	06-06-2002		
	4	WO	2004/028478		MedImmune Vaccines, Inc. et al.	04/08/2004		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	5	Bermingham and Collins (1999) "The M2-2 protein of human respiratory syncytial virus is a regulatory factor involved in the balance between RNA replication and transcription" <u>Proc. Natl. Acad. Sci. USA</u> 96:11259-11264.	
	6	Cheng et al. (2001) "Chimeric subgroup A respiratory syncytial virus with the glycoproteins substituted by those of subgroup B and RSV without the M2-2 gene are attenuated in African green monkeys" <u>Virology</u> 283:59-68.	
	7	Collins et al. (1995) "Production of infectious human respiratory syncytial virus from cloned cDNA confirms an essential role for the transcription elongation factor from the 5' proximal open reading frame of the M2 mRNA in gene expression and provides a capability for vaccine development" <u>Proc. Natl. Acad. Sci.</u> 92:11563-11567	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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8	Collins et al. (1999) "Support plasmids and support proteins required for recovery of recombinant respiratory syncytial virus" <u>Virology</u> 259:251-255	
9	Hardy & Wertz (2000) "The Cys(3)-His(1) motif of the respiratory syncytial virus M2-1 protein is essential for protein function" <u>J. Virol.</u> 74(13):5880-5.	
10	Jin et al. (1998) "Recombinant human respiratory syncytial virus (RSV) from cDNA and construction of subgroup A and B chimeric RSV" <u>Virology</u> 251:206-214	
11	Jin et al. (2000) "Respiratory syncytial virus that lacks open reading frame 2 of the M2 gene (M2-2) has altered growth characteristics and is attenuated in rodents" <u>J. Virol.</u> 74:74-82;	
12	Jin et al. (2000) "Recombinant respiratory syncytial viruses with deletions in the NS1, NS2, SH, and M2-2 genes are attenuated in vitro and in vivo" <u>Virology</u> 273:210-218;	
13	Jin et al. (2003) "Evaluation of recombinant respiratory syncytial virus gene deletion mutants in African green monkeys for their potential as live attenuated vaccine candidates" <u>Vaccine</u> 21:3647-3652	
14	Karron et al. (1997) "Respiratory syncytial virus (RSV) SH and G proteins are not essential for viral replication in vitro: clinical evaluation and molecular characterization of a cold-passaged, attenuated RSV subgroup B mutant" <u>Proc Natl Acad Sci USA</u> 94:13961-13966	
15	Tang et al. (2001) "Requirement of cysteines and length of the human respiratory syncytial virus M2-1 protein for protein function and virus viability" <u>J. Virol.</u> 75:11328-11335	
16	Techaarpornkul et al. (2001) "Functional analysis of recombinant respiratory syncytial virus deletion mutants lacking the small hydrophobic and/or attachment glycoprotein gene" <u>J Virol</u> 75:6825-34	
17	Teng et al. (2000) "Recombinant respiratory syncytial virus that does not express the NS1 or M2-2 protein is highly attenuated and immunogenic in chimpanzees" <u>J Virol</u> 74:9317-9321;	
18	Teng et al. (2001) "Contribution of the respiratory syncytial virus G glycoprotein and its secreted and membrane-bound forms to virus replication in vitro and in vivo" <u>Virology</u> 289:283-96).	
19	Whitehead et al. (1999) "Replacement of the F and G proteins of respiratory syncytial virus (RSV) subgroup A with those of subgroup B generates chimeric live attenuated RSV subgroup B vaccine candidates" <u>J Virol</u> 73:9773-9780	
20	GenBank accession number: M73544	
21	GenBank accession number: S75820	
22	GenBank accession number: D00334	
23	GenBank accession number: D00392	
24	GenBank accession number: D00393	

Examiner Signature		Date Considered	
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	25	GenBank accession number: D00394	
	26	GenBank accession number: D00395	
	27	GenBank accession number: D00396	
	28	GenBank accession number: D00397	
	29	GenBank accession number: D00736	
	30	GenBank accession number: D01042	
	31	GenBank accession number: M17213	
	32	GenBank accession number: AF013254	

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